

Amendments to the Claims

The following listing of claims replaces all prior listings, and all prior versions, of claims in the application.

Listing of Claims

1. (currently amended) Light unit for generating light beams having various wavelengths, including

- a light source unit (34),
- a mirror unit (80),
- a support unit (30),
- an exit window (50) having an opening (60), and
- a pressure-generating element (32),

the light source unit (34) and the pressure-generating element (32) being contained in the support unit (30), which exhibits a longitudinal axis (40) running substantially parallel to the generated light beams, the mirror unit (80) and the exit window (50) being arranged on opposite ends of the support unit (30), and a force being generated with the pressure-generating element (32), which force acts on the light source unit (34), ~~characterized in that~~ wherein at least one of the mirror unit (80) and/or and the exit window (50) are-is at least one of displaceable relative to the support unit (30) ~~and/or and~~ tiltable relative to the longitudinal axis (40) by at least one displacement element (52, ..., 55) in dependence on the force generated by the pressure-generating element (32) on the light source unit (34).

2. (currently amended) Light unit according to Claim 1, ~~characterized in that~~ wherein a force on the light source unit (34) can be generated from a plurality of sides with the pressure-generating element (32), the force ~~preferably~~ acting substantially perpendicularly to the longitudinal axis (40).

3. (currently amended) Light unit according to Claim 1 ~~or 2~~, ~~characterized in that~~, wherein a force, uniform all around, can be generated on the light source unit (34) with the pressure-generating element (32).

4. (currently amended) Light unit according to ~~one of the foregoing claims, characterized in that~~ Claim 1, wherein the pressure-generating element (32) is of piezoelement type, ~~preferably based on a material selected from the group consisting of~~ sodium persulfate, sodium hydroxide, ~~or and~~ copper sulfate.

5. (currently amended) Light unit according to Claim 4, ~~characterized in that~~ wherein the piezoelement (32) is a tourmaline crystal that has an electrically conductive film, ~~preferably a silver or aluminum film, selected from the group consisting of~~ silver and aluminum for contacting on the sides facing toward and away from the light source unit (34).

6. (currently amended) Light unit according to ~~one of Claims 1 to 5, characterized in that~~ Claim 1, wherein the exit window (50) is selected from the group consisting of a semitransparent window ~~or and~~ a Brewster window (51).

7. (currently amended) Light unit according to ~~one of Claims 1 to 6, characterized in that~~ Claim 1, wherein the exit window (50) and the mirror unit (80) are displaceable in such fashion that the light source unit (34) is always arranged centrally between the exit window (50) and the mirror unit (80).

8. (currently amended) Light unit according to ~~one of the foregoing claims, characterized in that~~ Claim 1, wherein the displacement element comprises at least one piezoelement (52, ..., 56).

9. (currently amended) Light unit according to ~~one of Claims 1 to 8, characterized in that there is~~ Claim 1, further comprising an insulation layer (61) between the mirror unit (80) and the support unit (30) ~~and/or and~~ between the exit window (50) and the support unit (30).

10. (currently amended) Light unit according to ~~one of Claims 1 to 9,~~
~~characterized in that Claim 1, wherein~~ the light source unit is a laser diode unit
(34), ~~in particular~~ of the semiconductor laser type.

11. (currently amended) Method for generating light beams having
various wavelengths through the use of a light unit including

- a light source unit (34),
- a mirror unit (80),
- a support unit (30),
- an exit window (50) having an opening (60), and
- a pressure-generating element (32),

the light source unit (34) and the pressure-generating element (32) being
contained in the support unit (30),

which has a longitudinal axis (40) running substantially parallel to the
generated light beams, the mirror unit (80) and the exit window (50) being
arranged at opposite ends of the support unit (30), a force acting on the light
source unit (34) being generated with the pressure-generating element (32),
and the method ~~consisting in that~~ comprising displacing at least one of the
mirror unit (80) ~~and/or~~ and the exit window (50) ~~are displaced relative to the~~
support unit (30) ~~and/or tilted~~ and tilting said at least one of said mirror unit and
exit window relative to the longitudinal axis (40) by at least one displacement
element (52, ..., 56) in dependence on the force generated by the pressure-
generating element (32) on the light source unit (34).

12. (currently amended) Method according to Claim 11, ~~characterized~~
~~in that a~~ including generating said force on the light source unit (34) is
~~generated~~ from a plurality of sides with the pressure-generating element (32),
the force ~~preferably~~ acting substantially perpendicularly to the longitudinal axis
(40).

13. (currently amended) Method according to Claim 11 ~~or 12,~~
~~characterized in that a force,~~ wherein said force generated on the light
source unit is uniform all around, ~~can be generated on the light source unit~~
(34) ~~with the pressure-generating element (32).~~

14. (currently amended) Method according to ~~one of Claims 11 to 13,~~
~~characterized in that Claim 11, including displacing~~ the exit window (50) and
the mirror unit (80) ~~are displaced~~ in such fashion that the light source unit (34)
is always arranged centrally between the exit window (50) and the mirror unit
(80).

15. (currently amended) Method according to ~~one of Claims 11 to 14,~~
~~characterized in that Claim 11, including setting~~ the spacing between the
mirror unit (80) and the exit window (50) ~~is set such that this the distance of~~
said spacing is exactly equal to, or a multiple of, half the wavelength of
interest.